



Blast 2 Sequences results

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BLAST 2 SEQUENCES RESULTS VERSION BLASTP 2.2.14 [May-07-2006]

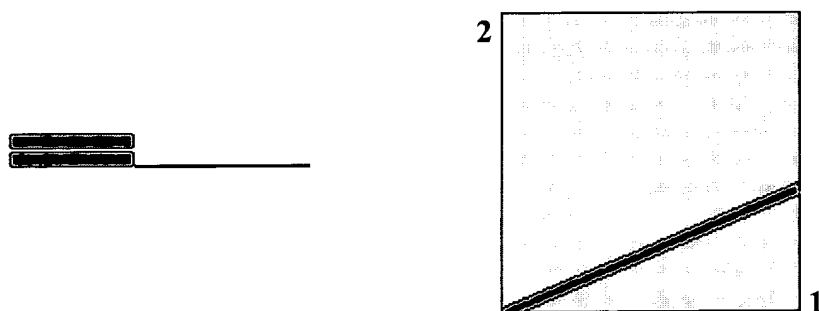
Matrix **BLOSUM62** gap open: **11** gap extension: **1**
x_dropoff: **50** expect: **10.000** wordsize: **3** Filter ☒ View option **Standard**
Masking character option **X for protein, n for nucleotide** Masking color option **Black**
☐ Show CDS translation **Align**

Sequence 1: gi|20072897|gb|AAH26175.1|ATF2 protein [Homo sapiens]

Length = 209 (1 .. 209)

Sequence 2: gi|22538422|ref|NP_001871.2|activating transcription factor 2 [Homo sapiens]

Length = 505 (1 .. 505)



NOTE: Bitscore and expect value are calculated based on the size of the nr database.

Score = 422 bits (1084), Expect = 9e-117
Identities = 209/209 (100%), Positives = 209/209 (100%), Gaps = 0/209 (0%)

Query	1	MKFKLVNSARQYKDLWNMSDDKPF	LCTAPGCGQ	RFTNEDHLAVHKHKHEMTLKFGPARN	60
		MKFKLVNSARQYKDLWNMSDDKPF	LCTAPGCGQ	RFTNEDHLAVHKHKHEMTLKFGPARN	
Sbjct	1	MKFKLVNSARQYKDLWNMSDDKPF	LCTAPGCGQ	RFTNEDHLAVHKHKHEMTLKFGPARN	60
Query	61	DSVIVADQTPTPTRFLKNCEEVGLF	NELASPFENE	FKKASEDDIKMPLDLSPLATPIIR	120
		DSVIVADQTPTPTRFLKNCEEVGLF	NELASPFENE	FKKASEDDIKMPLDLSPLATPIIR	
Sbjct	61	DSVIVADQTPTPTRFLKNCEEVGLF	NELASPFENE	FKKASEDDIKMPLDLSPLATPIIR	120
Query	121	SKIEEPSVETTHQDSPLPHPESTTS	DEKEVPLAQTAQPTSAIVRPASLQVPNVLLTSSD	180	
		SKIEEPSVETTHQDSPLPHPESTTS	DEKEVPLAQTAQPTSAIVRPASLQVPNVLLTSSD		
Sbjct	121	SKIEEPSVETTHQDSPLPHPESTTS	DEKEVPLAQTAQPTSAIVRPASLQVPNVLLTSSD	180	
Query	181	SSVIIQQAVPSPTSSTVITQAPSSNRPIV	209		
		SSVIIQQAVPSPTSSTVITQAPSSNRPIV			
Sbjct	181	SSVIIQQAVPSPTSSTVITQAPSSNRPIV	209		

CPU time: 0.03 user secs. 0.01 sys. secs 0.04 total secs.

Lambda	K	H
0.312	0.127	0.366

Gapped

Lambda	K	H
0.267	0.0410	0.140

Matrix: BLOSUM62

Gap Penalties: Existence: 11, Extension: 1

Number of Sequences: 1

Number of Hits to DB: 1185

Number of extensions: 607

Number of successful extensions: 1

Number of sequences better than 10.0: 1

Number of HSP's gapped: 1

Number of HSP's successfully gapped: 1

Length of query: 209

Length of database: 1,302,931,322

Length adjustment: 127

Effective length of query: 82

Effective length of database: 1,302,931,195

Effective search space: 106840357990

Effective search space used: 106840357990

Neighboring words threshold: 9

X1: 16 (7.2 bits)

X2: 129 (49.7 bits)

X3: 129 (49.7 bits)

S1: 42 (21.9 bits)

S2: 75 (33.5 bits)